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(54) Title: HIGH-PERFORMANCE AND LOW-COST PLASTIC SOLAR CELLS

(57) Abstract: A solar cell that includes a high efficiency thin film plastic (polymer) as the active material. The active material includes a mixture of a semi-conducting polymer and an ionic electrolyte. The semi-conducting polymer is made up of a ptype polymer and an n-type electron acceptor. The ionic electrolyte is present in said mixture in an amount ranging from 0.01 to 5 weight percent.